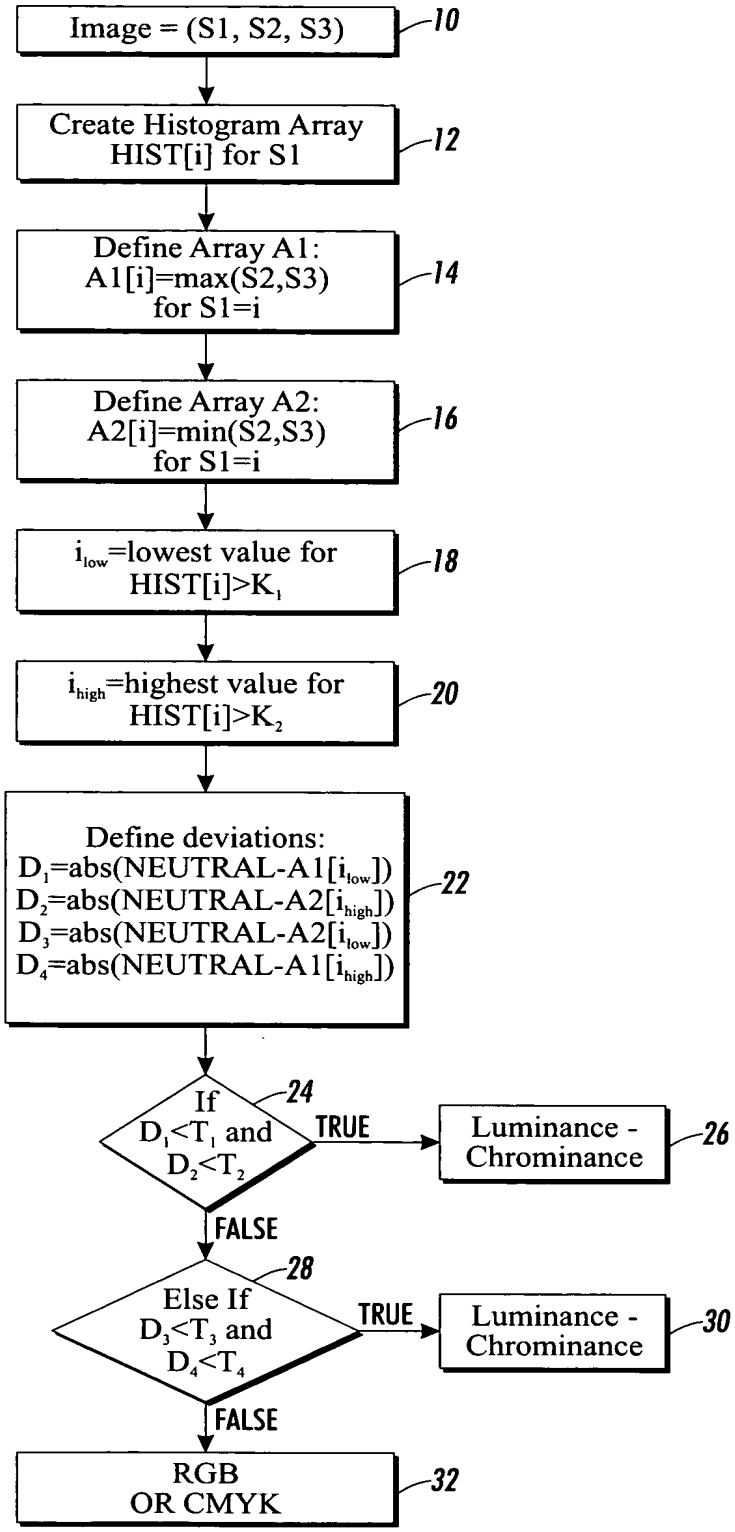
Image = (S1, S2, S3)
10
Create Histogram Array HIST[i] for S1
12
Define Array A1: A1[i]=max(S2,S3) for S1=i
14
Define Array A2: A2[i]=min(S2,S3) for S1=i
16
i_{low}=lowest value for HIST[i]>K_1
18
i_{high}=highest value for HIST[i]>K_2
20
Define deviations:
D_1=abs(NEUTRAL-A1[i_{low}])
D_2=abs(NEUTRAL-A2[i_{high}])
D_3=abs(NEUTRAL-A2[i_{low}])
D_4=abs(NEUTRAL-A1[i_{high}])
22
If $D_1<T_1$ and $D_2<T_2$
24
TRUE
Luminance - Chrominance
26
FALSE
Else If $D_3<T_3$ and $D_4<T_4$
28
TRUE
Luminance - Chrominance
30
FALSE
RGB OR CMYK
32

FIG. 1